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103151529 To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Colin J. McKinstrie Name: Lucent Technologies Inc. Internal Address: Additional name of conveying party(ies) attached?

Yes

No Street Address: 600 Mountain Avenue 3. Nature of conveyance: Execution Date(s) 12/21/05 Merger City: Murray Hill Security Agreement Change of Name State: NJ Government Interest Assignment Country: USA Zip: 07974-0636 Executive Order 9424, Confirmatory License Other _ Additional Name(s) & address(es) attached?

Yes

No This document is being filed together with a new application. 4. Application number(s) or patent number(s): B. Patent No.(s) A. Patent Application No.(s) 01/03/2006 PBYRNE 00000035 200782 11314280 01 FC:8021 40.00 DA Additional numbers attached? ☐ Yes ☒ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning this document should be mailed: Name: Eamon J. Wall 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Internal Address: Patterson & Sheridan, LLP Authorized to be charged by credit card

Street Address: 595 Shrewsbury Avenue, Suite 100 City: Shrewsbury Zip: <u>07702</u> State: NJ Phone Number: (732) 530-9404 Fax Number: (732) 530-9808

Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers Expiration Date

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Email Address: ewall@pattersonsheridan.com

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

Eamon J. Wall

REEL: 017407 FRAME: 0433

Total number of pages including cover sheet, attachments, and documents

1

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ASSIGNMENT AND AGREE ENT

For value received, I, Colin J. McKinstrie of Monmouth and State of New Jersey, hereby sell, a Technologies Inc., a corporation of the State of D 600 Mountain Avenue, Murray Hill, New Jersey (successors, assigns and legal representatives, the for the United States of America, in and to co TRANSLATION OF INDIVIDUAL AND ENTANGLI FOUR-WAVE MIXING IN FIBERS described in an a of the United States, executed by us of even date he privileges in said application and under any and all granted in the United States for said inventions; and sell, assign and transfer to Lucent Technologies Ir interest in and to said inventions for all countries f including all rights of priority arising from the applic rights and privileges under any and all forms of Patent, that may be granted in said countries foreign inventions.

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in the County of ansfer to Lucent ving an office at U.S.A., and its title and interest. tions related to FOR LIGHT BY or Letters Patent all the rights and ent that may be icurrently hereby e right, title and e United States. said, and all the ncluding Letters d States for said

I authorize Lucent Technologies Inc. to protection in its own name and maintain such protection for eight to the United States, and to invoke and c patent or other form of protection for said inventions, from us, any and all benefits, including the right of pr treaties, conventions, or agreements.

ake ap on in ar m for ithout fu ity prov cation for such and all countries / application for ner authorization ed by any and all

I hereby consent that a copy of this assignn legal and formal equivalent of any document whic country in proof of the right of Lucent Technologies other form of protection for said inventions and to cl the right of priority.

may t nc. to m the a e deemed a full required in any ply for patent or resaid benefit of

I request that any and all patents for said inv Technologies Inc. in the United States and in all col States, or to such nominees as Lucent Technologies

tions b tries fo c. may ssued to Lucent yn to the United signate.

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I agree that, when requested, I shall, /ithout Technologies Inc. but at its expense, sign all paper and do be necessary, desirable or convenient in conner on with patents, or other forms of protection.

arge to Lucent I acts which may aid applications,

Date: 12/21/05

United States of America

State of New Jersey) ss.:

County of Monmouth)

On this 21 day of Dec. 21

personally came [First Middle Last], to me known to be the in in and who executed the foregoing instrument, and cknowle the same.

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DBOSCO of New Jarse

August 15.

Lucent Technologies Inc. 600 Mountain Avenue (Room 3C-512) P. O. Box 636 Murray Hill, New Jersey 07974-0636

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